

Title (en)
INTELLIGENT HORTICULTURE SYSTEM AND EXTERNAL DEVICE IN COMMUNICATION THEREWITH

Title (de)
INTELLIGENTES GARTENBAUSYSTEM UND EXTERNE VORRICHTUNG IN KOMMUNIKATION DAMIT

Title (fr)
SYSTÈME D'HORTICULTURE INTELLIGENT ET DISPOSITIF EXTERNE EN COMMUNICATION AVEC CELUI-CI

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Application
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Abstract (en)
[origin: EP3252554A1] The present invention relates to an intelligent gardening system, for monitoring and controlling gardening apparatuses in a gardening area, including: multiple sensors that collect environmental information of the gardening area; one or more gardening apparatuses that perform gardening work according to a control instruction; and a control center that generates the control instruction based on the environmental information; wherein the sensors, the gardening apparatuses and the control center communicate with each other to form an Internet of Things.

IPC 8 full level
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Citation (examination)
• US 2008161968 A1 20080703 - ADEGBILE BABATUNDE OLANIPEKUN [US]
• US 2012011517 A1 20120112 - SMITH VIRGINIA [US], et al
• US 2006181401 A1 20060817 - MARTIN CHRISTOPHER D [US]

Cited by
WO2021034257A1; DE102017122734A1; CN109936623A; DE102017122733A1; DE102017122731A1; US11050265B2; DE102017122733B4;
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